

ABSTRACT OF THE DISCLOSURE

A flat heat pipe has a vacuum chamber, an evaporator connected to a heating element, and a condenser connected to a cooling device. The vacuum chamber is provided in an interior
5 with a wick structure and a working fluid by which an evaporation-condensation cyclic process is effected. The vacuum chamber is further provided in the interior with a plurality of heat conduction pillars, which are confined to the area of the evaporator and are connected with an upper wall and
10 a lower wall of the interior of the chamber. The heat conduction pillars serve to enhance the heat conduction to the condenser from the evaporator.